

Table C-27. Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

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Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	13,895,493	2,712,918	1,221,211	239,112	6,951,307	1,438,315	1,134,172	75,217	78,705	44,536
Departments:										
Department of Agriculture, total	594,903	388,227	5,633	0	192,870	0	4,682	0	1,005	2,486
Agricultural Research Service ²	368,966	350,399	0	0	14,203	0	2,100	0	153	2,111
Cooperative State Research, Education, & Extension Service ³	185,992	8,269	5,624	0	169,287	0	2,243	0	569	0
Economic Research Service	5,383	5,065	0	0	318	0	0	0	0	0
Foreign Agricultural Service ⁴	343	257	0	0	86	0	0	0	0	0
Forest Service	32,897	22,915	9	0	8,976	0	339	0	283	375
Nat'l Agricultural Statistics Svc	1,322	1,322	0	0	0	0	0	0	0	0
Department of Commerce, total	39,258	34,607	761	0	3,581	125	184	0	0	0
Bureau of the Census	312	312	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	38,946	34,295	761	0	3,581	125	184	0	0	0
Department of Defense, total	1,264,113	320,441	173,775	1,555	713,637	4,989	39,554	2,197	0	7,965
Department of the Army	218,790	127,471	13,253	825	71,100	335	3,227	6	0	2,573
Department of the Navy	409,419	139,031	28,195	0	210,598	407	27,003	0	0	4,185
Department of the Air Force	206,776	31,235	32,955	39	135,818	56	5,807	0	0	866
Defense Agencies, total	429,128	22,704	99,372	691	296,121	4,191	3,517	2,191	0	341
Ballistic Missile Defense Organization	10,742	210	7,532	0	3,000	0	0	0	0	0
Defense Advanced Research Projects Agency ⁵	94,587	5,961	51,679	691	28,561	3,191	2,717	1,446	0	341
Washington Headquarters Svcs ⁶	323,799	16,533	40,161	0	264,560	1,000	800	745	0	0
Department of Education	5,535	197	0	0	4,338	0	1,000	0	0	0
Department of Energy	1,634,353	36,855	24,515	163,263	369,311	959,828	15,757	61,415	1,763	1,646
Dept of Health & Human Svcs, total	6,061,057	1,193,839	279,979	74,284	3,555,562	15,399	851,092	9,734	57,017	24,151
Health Resources & Services Admin ...	1,010	1,010	0	0	0	0	0	0	0	0
National Institutes of Health ⁷	6,060,047	1,192,829	279,979	74,284	3,555,562	15,399	851,092	9,734	57,017	24,151
Department of the Interior, total	55,179	50,216	0	0	4,883	80	0	0	0	0
Geological Survey ⁸	41,649	37,649	0	0	4,000	0	0	0	0	0
National Biological Service ^{9 8}	13,000	12,255	0	0	745	0	0	0	0	0
National Park Service ⁹	530	312	0	0	138	80	0	0	0	0
Department of Justice, total	8,121	45	58	0	3,287	0	3,445	0	1,286	0
Office of Justice Programs	8,121	45	58	0	3,287	0	3,445	0	1,286	0
Department of Labor, total	11,600	2,279	0	0	9,321	0	0	0	0	0
Bureau of Labor Statistics	11,600	2,279	0	0	9,321	0	0	0	0	0
Department of State	4,510	67	0	0	0	0	4,443	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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			United States and territories							Foreign
			Indus- trial firms	FFRDCs admin by in- dustrial firms	Univer- sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti- tutions	FFRDCs admin by non- profit insti- tutions	State and local govts	
Department of Transportation, total	46,880	1	0	0	0	15,949	17,479	0	13,451	0
Federal Highway Administration	46,880	1	0	0	0	15,949	17,479	0	13,451	0
Department of the Treasury, total	41	41	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	41	41	0	0	0	0	0	0	0	0
Department of Veterans Affairs	12,390	12,390	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	70,297	28,632	19,131	0	16,024	0	5,251	0	813	446
International Development Cooperation										
Agency, total	2,297	365	0	0	21	0	1,911	0	0	0
Agency for Internat'l Dvlpmnt	2,297	365	0	0	21	0	1,911	0	0	0
Library of Congress	512	512	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,978,193	494,548	636,359	0	480,168	301,133	59,733	1,292	661	4,299
National Science Foundation	1,973,264	16,666	81,000	10	1,598,304	140,812	129,641	579	2,709	3,543
Smithsonian Institution	124,000	124,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	8,990	8,990	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

³ The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

⁴ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁵ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁶ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁷ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁸ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁹ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

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Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	14,482,056	2,413,879	1,225,733	339,947	7,753,554	1,503,521	1,062,119	71,617	70,370	41,316
Departments:										
Department of Agriculture, total	586,329	383,246	5,540	0	188,434	0	6,054	0	997	2,058
Agricultural Research Service ²	367,666	347,410	0	0	14,947	0	3,473	0	153	1,683
Cooperative State Research, Education, & Extension Service ³	180,744	8,175	5,532	0	164,233	0	2,242	0	562	0
Economic Research Service	5,313	5,125	0	0	188	0	0	0	0	0
Foreign Agricultural Service ⁴	1,067	978	0	0	89	0	0	0	0	0
Forest Service	30,260	20,279	8	0	8,977	0	339	0	282	375
Nat'l Agricultural Statistics Svc	1,279	1,279	0	0	0	0	0	0	0	0
Department of Commerce, total	37,529	33,101	571	0	3,537	129	191	0	0	0
Bureau of the Census	307	307	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	37,222	32,794	571	0	3,537	129	191	0	0	0
Department of Defense, total	1,134,158	272,544	148,295	770	659,364	5,616	38,092	849	0	8,628
Department of the Army	190,418	82,346	22,832	208	80,124	343	3,286	0	0	1,279
Department of the Navy	373,175	123,705	25,879	0	191,453	1,116	24,915	158	0	5,949
Department of the Air Force	233,793	55,444	47,380	0	122,919	68	6,894	29	0	1,059
Defense Agencies, total	336,772	11,049	52,204	562	264,868	4,089	2,997	662	0	341
Ballistic Missile Defense Organization	7,902	250	4,867	471	2,314	0	0	0	0	0
Defense Advanced Research Projects Agency ⁵	65,971	3,061	28,592	91	26,563	4,089	2,997	237	0	341
Washington Headquarters Svcs ⁶	262,899	7,738	18,745	0	235,991	0	0	425	0	0
Department of Education	3,459	149	0	0	2,310	0	1,000	0	0	0
Department of Energy	1,956,610	59,089	93,397	237,579	432,660	1,054,556	16,336	60,393	1,242	1,358
Dept of Health & Human Svcs, total	6,441,509	907,801	214,749	100,481	4,351,544	13,370	772,928	8,565	50,554	21,517
Administration on Aging	171	171	0	0	0	0	0	0	0	0
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0	0
National Institutes of Health ⁷	6,440,538	906,830	214,749	100,481	4,351,544	13,370	772,928	8,565	50,554	21,517
Department of the Interior, total	55,863	49,533	0	0	6,279	0	51	0	0	0
Geological Survey ⁸	55,460	49,370	0	0	6,090	0	0	0	0	0
National Park Service ⁹	403	163	0	0	189	0	51	0	0	0
Department of Justice, total	8,300	41	40	0	2,600	0	4,886	0	733	0
Office of Justice Programs	8,300	41	40	0	2,600	0	4,886	0	733	0
Department of Labor, total	11,500	6,400	0	0	5,100	0	0	0	0	0
Bureau of Labor Statistics	11,500	6,400	0	0	5,100	0	0	0	0	0
Department of State	3,750	70	0	0	0	0	3,680	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-28. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1996

[Dollars in thousands]

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			United States and territories							Foreign
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Department of Transportation, total	45,721	8	0	1,109	15,202	0	16,634	0	12,768	0
Federal Highway Administration	45,721	8	0	1,109	15,202	0	16,634	0	12,768	0
Department of the Treasury, total	53	53	0	0	0	0	0	0	0	0
Bureau of Engraving & Printing	53	53	0	0	0	0	0	0	0	0
Department of Veterans Affairs	14,372	14,372	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	65,914	26,847	17,938	0	15,025	0	4,924	0	762	418
International Development Cooperation										
Agency, total	2,444	1,118	0	0	81	0	1,245	0	0	0
Agency for Internat'l Dvlpmnt	2,444	1,118	0	0	81	0	1,245	0	0	0
Library of Congress	442	442	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,009,237	502,309	666,222	0	480,168	294,301	60,544	1,255	644	3,794
National Science Foundation	1,967,676	19,566	78,981	8	1,591,250	135,549	135,554	555	2,670	3,543
Smithsonian Institution	125,400	125,400	0	0	0	0	0	0	0	0
Tennessee Valley Authority	11,790	11,790	0	0	0	0	0	0	0	0

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

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Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1997

[Dollars in thousands]

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Agency and subdivision	Total	Intra-mural ¹	Extramural							
			United States and territories							Foreign
			Indus-trial firms	FFRDCs admin by in-dustrial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other nonprofit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	14,732,254	2,667,782	1,279,074	368,295	7,405,489	1,519,706	1,270,164	82,910	92,313	46,521
Departments:										
Department of Agriculture, total	607,823	395,074	6,700	0	198,942	0	4,051	0	998	2,058
Agricultural Research Service ²	376,173	357,921	0	0	14,947	0	1,469	0	153	1,683
Cooperative State Research, Education, & Extension Service ³	193,227	8,988	6,692	0	174,741	0	2,243	0	563	0
Economic Research Service	5,495	5,307	0	0	188	0	0	0	0	0
Foreign Agricultural Service ⁴	1,067	978	0	0	89	0	0	0	0	0
Forest Service	30,564	20,583	8	0	8,977	0	339	0	282	375
Nat'l Agricultural Statistics Svc	1,297	1,297	0	0	0	0	0	0	0	0
Department of Commerce, total	38,774	34,186	592	0	3,664	134	198	0	0	0
Bureau of the Census	307	307	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	38,467	33,879	592	0	3,664	134	198	0	0	0
Department of Defense, total	1,145,751	292,703	152,890	819	647,104	4,195	38,923	343	0	8,774
Department of the Army	204,793	95,141	29,801	223	74,892	312	3,014	0	0	1,410
Department of the Navy	386,754	127,969	26,706	0	198,812	1,160	25,921	0	0	6,186
Department of the Air Force	233,999	57,971	42,198	0	125,593	69	7,056	28	0	1,084
Defense Agencies, total	320,205	11,622	54,185	596	247,807	2,654	2,932	315	0	94
Ballistic Missile Defense Organization	9,316	255	5,276	471	3,314	0	0	0	0	0
Defense Advanced Research Projects Agency ⁵	73,948	5,012	37,281	125	25,850	2,654	2,932	0	0	94
Washington Headquarters Svcs ⁶	236,941	6,355	11,628	0	218,643	0	0	315	0	0
Department of Education	2,937	155	0	0	1,782	0	1,000	0	0	0
Department of Energy	2,034,582	68,568	103,098	241,123	439,998	1,095,578	14,042	70,024	1,523	628
Dept of Health & Human Svcs, total	6,558,265	1,142,062	270,264	126,193	3,928,435	17,089	972,741	10,779	63,623	27,079
Health Resources & Services Admin ...	800	800	0	0	0	0	0	0	0	0
National Institutes of Health ⁷	6,557,465	1,141,262	270,264	126,193	3,928,435	17,089	972,741	10,779	63,623	27,079
Department of the Interior, total	56,891	51,076	0	0	5,715	0	100	0	0	0
Geological Survey ⁸	56,341	50,861	0	0	5,480	0	0	0	0	0
National Park Service ⁹	550	215	0	0	235	0	100	0	0	0
Department of Justice, total	12,400	800	0	0	2,200	0	8,500	0	900	0
Office of Justice Programs	12,400	800	0	0	2,200	0	8,500	0	900	0
Department of Labor, total	11,300	11,300	0	0	0	0	0	0	0	0
Bureau of Labor Statistics	11,300	11,300	0	0	0	0	0	0	0	0
Department of State	3,750	70	0	0	0	0	3,680	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-29. Preliminary Federal obligations for basic research, by agency and performer: fiscal year 1997

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Department of Transportation, total	54,313	13	20,441	150	607	150	12,096	0	20,856	0	
Federal Highway Administration	54,313	13	20,441	150	607	150	12,096	0	20,856	0	
Department of the Treasury, total	29	29	0	0	0	0	0	0	0	0	
Bureau of Engraving & Printing	29	29	0	0	0	0	0	0	0	0	
Department of Veterans Affairs	13,654	13,654	0	0	0	0	0	0	0	0	
Other agencies:											
Environmental Protection Agency	75,085	30,582	20,434	0	17,115	0	5,609	0	868	477	
International Development Cooperation Agency, total	4,870	604	0	0	24	0	3,765	0	0	477	
Agency for Internat'l Dvlpmnt	4,870	604	0	0	24	0	3,765	0	0	477	
Library of Congress	458	458	0	0	0	0	0	0	0	0	
National Aeronautics & Space Admin	1,884,953	471,238	614,453	0	480,168	257,229	56,317	1,267	834	3,447	
National Science Foundation	2,089,619	18,410	90,202	10	1,679,735	145,331	149,142	497	2,711	3,581	
Smithsonian Institution	136,800	136,800	0	0	0	0	0	0	0	0	

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

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KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-30. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1995, 1996, and 1997

[Dollars in thousands]

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Field of science and engineering	1995	Preliminary	
		1996	1997
Total, all fields	13,895,493	14,482,056	14,732,254
Life sciences, total	6,645,283	6,896,148	7,043,376
Biological (excluding environmental)	3,198,638	NA	NA
Environmental biology	289,807	NA	NA
Agricultural	367,401	NA	NA
Medical	2,640,553	NA	NA
Life sciences, n.e.c.	148,884	NA	NA
Psychology, total	275,539	288,588	294,389
Biological aspects	28,925	NA	NA
Social aspects	22,230	NA	NA
Psychological sciences, n.e.c.	224,384	NA	NA
Physical sciences, total	2,863,026	3,160,678	3,185,627
Astronomy	732,010	NA	NA
Chemistry	557,111	NA	NA
Physics	1,507,490	NA	NA
Physical sciences, n.e.c.	66,415	NA	NA
Environmental sciences, total	1,473,207	1,512,734	1,496,014
Atmospheric	694,057	NA	NA
Geological	453,709	NA	NA
Oceanography	185,887	NA	NA
Environmental sciences, n.e.c.	139,554	NA	NA
Mathematics & computer sciences, total	553,962	597,844	604,331
Mathematics	264,583	NA	NA
Computer sciences	264,292	NA	NA
Mathematics & computer sciences, n.e.c.	25,087	NA	NA
Engineering, total	1,468,073	1,392,499	1,453,230
Aeronautical	270,945	NA	NA
Astronautical	64,711	NA	NA
Chemical	65,511	NA	NA
Civil	71,144	NA	NA
Electrical	213,562	NA	NA
Mechanical	169,880	NA	NA
Metallurgy & materials	346,080	NA	NA
Engineering, n.e.c.	266,240	NA	NA
Social sciences, total	209,479	214,536	226,743
Anthropology	15,468	NA	NA
Economics	44,134	NA	NA
Political science	8,904	NA	NA
Sociology	14,976	NA	NA
Social sciences, n.e.c.	125,997	NA	NA
Other sciences, n.e.c.	406,924	419,029	428,544

NOTES: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-31. Federal obligations for basic research, by agency and field of science and engineering:
fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,895,493	6,645,283	275,539	2,863,026	1,473,207	553,962	1,468,073	209,479	406,924
Departments:									
Department of Agriculture, total	594,903	510,029	45	40,782	4,128	3,504	14,775	21,394	246
Agricultural Research Service ¹	368,966	333,415	0	28,592	2,257	1,637	3,065	0	0
Cooperative State Research, Education, & Extension Service ²	185,992	153,354	0	10,001	1,160	0	6,903	14,574	0
Economic Research Service	5,383	0	0	0	0	0	0	5,383	0
Foreign Agricultural Service ³	343	343	0	0	0	0	0	0	0
Forest Service	32,897	22,917	45	2,189	711	545	4,807	1,437	246
Nat'l Agricultural Statistics Svc	1,322	0	0	0	0	1,322	0	0	0
Department of Commerce, total	39,258	313	59	28,275	275	696	9,640	0	0
Bureau of the Census	312	0	59	0	0	253	0	0	0
National Inst of Standards & Tech	38,946	313	0	28,275	275	443	9,640	0	0
Department of Defense, total	1,264,113	176,632	27,853	204,130	164,849	163,879	512,033	0	14,737
Department of the Army	218,790	59,376	5,256	38,983	21,623	19,829	72,542	0	1,181
Department of the Navy	409,419	38,685	18,028	77,039	100,157	44,239	121,043	0	10,228
Department of the Air Force	206,776	18,450	871	51,633	22,925	29,710	82,185	0	1,002
Defense Agencies, total	429,128	60,121	3,698	36,475	20,144	70,101	236,263	0	2,326
Ballistic Missile Defense Organization	10,742	0	0	2,218	0	0	8,524	0	0
Defense Advanced Research Projects Agency ⁴	94,587	0	0	2,444	0	29,323	60,494	0	2,326
Washington Headquarters Svcs ⁵	323,799	60,121	3,698	31,813	20,144	40,778	167,245	0	0
Department of Education	5,535	1,439	0	0	0	0	0	4,096	0
Department of Energy	1,634,353	175,609	0	1,080,936	148,234	113,599	114,843	0	1,132
Dept of Health & Human Svcs, total	6,061,057	5,277,303	229,670	119,539	12,307	30,982	92,277	61,816	237,163
Health Resources & Services Admin	1,010	1,010	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,060,047	5,276,293	229,670	119,539	12,307	30,982	92,277	61,816	237,163
Department of the Interior, total	55,179	13,000	0	530	41,649	0	0	0	0
Geological Survey ⁷	41,649	0	0	0	41,649	0	0	0	0
National Biological Service ^{8 7}	13,000	13,000	0	0	0	0	0	0	0
National Park Service ⁸	530	0	0	530	0	0	0	0	0
Department of Justice, total	8,121	750	1,027	0	0	0	0	4,769	1,575
Office of Justice Programs	8,121	750	1,027	0	0	0	0	4,769	1,575
Department of Labor, total	11,600	0	0	0	0	0	0	11,600	0
Bureau of Labor Statistics	11,600	0	0	0	0	0	0	11,600	0
Department of State	4,510	0	0	0	0	0	0	4,510	0

See explanatory information, if any, and SOURCE at end of table.

**Table C-31. Federal obligations for basic research, by agency and field of science and engineering:
fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Life sciences	Psy- chology	Physical sciences	Environ- mental sciences	Mathe- matics and computer sciences	Engi- neering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	46,880	54	844	0	1,018	17,846	21,579	1,429	4,110
Federal Highway Administration	46,880	54	844	0	1,018	17,846	21,579	1,429	4,110
Department of the Treasury, total	41	0	0	41	0	0	0	0	0
Bureau of Engraving & Printing	41	0	0	41	0	0	0	0	0
Department of Veterans Affairs	12,390	11,790	600	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	70,297	19,434	0	0	30,083	0	20,780	0	0
International Development Cooperation									
Agency, total	2,297	2,297	0	0	0	0	0	0	0
Agency for Internat'l Dvlpmnt	2,297	2,297	0	0	0	0	0	0	0
Library of Congress	512	0	0	0	0	0	0	0	512
Nat'l Aeronautics & Space Admin ⁹	1,978,193	77,504	3,594	881,977	633,858	23,207	336,056	364	21,633
National Science Foundation	1,973,264	323,987	11,847	467,914	431,320	200,249	346,090	67,524	124,333
Smithsonian Institution	124,000	46,637	0	38,417	5,486	0	0	31,977	1,483
Tennessee Valley Authority	8,990	8,505	0	485	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,482,056	6,896,148	288,588	3,160,678	1,512,734	597,844	1,392,499	214,536	419,029
Departments:									
Department of Agriculture, total	586,329	500,594	41	42,635	4,220	3,242	14,576	20,795	226
Agricultural Research Service ¹	367,666	329,418	0	30,936	2,450	1,461	3,401	0	0
Cooperative State Research, Education, & Extension Service ²	180,744	149,029	0	9,685	1,117	0	6,753	14,160	0
Economic Research Service	5,313	0	0	0	0	0	0	5,313	0
Foreign Agricultural Service ³	1,067	1,067	0	0	0	0	0	0	0
Forest Service	30,260	21,080	41	2,014	653	502	4,422	1,322	226
Nat'l Agricultural Statistics Svc	1,279	0	0	0	0	1,279	0	0	0
Department of Commerce, total	37,529	267	58	30,486	293	1,314	5,111	0	0
Bureau of the Census	307	0	58	0	0	249	0	0	0
National Inst of Standards & Tech	37,222	267	0	30,486	293	1,065	5,111	0	0
Department of Defense, total	1,134,158	107,563	26,854	199,957	145,594	216,121	424,404	0	13,665
Department of the Army	190,418	29,483	5,160	32,034	15,952	31,217	76,178	0	394
Department of the Navy	373,175	30,781	15,671	72,340	91,330	40,440	110,433	0	12,180
Department of the Air Force	233,793	22,659	802	49,525	20,997	28,810	109,909	0	1,091
Defense Agencies, total	336,772	24,640	5,221	46,058	17,315	115,654	127,884	0	0
Ballistic Missile Defense Organization	7,902	0	0	4,048	0	0	3,854	0	0
Defense Advanced Research Projects Agency ⁴	65,971	0	0	2,856	0	17,950	45,165	0	0
Washington Headquarters Svcs ⁵	262,899	24,640	5,221	39,154	17,315	97,704	78,865	0	0
Department of Education	3,459	526	0	0	0	0	0	2,933	0
Department of Energy	1,956,610	170,062	0	1,356,479	201,081	103,854	124,090	0	1,044
Dept of Health & Human Svcs, total	6,441,509	5,608,577	244,096	126,878	12,881	32,847	97,896	65,864	252,470
Administration on Aging	171	0	0	0	0	0	0	171	0
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,440,538	5,607,777	244,096	126,878	12,881	32,847	97,896	65,693	252,470
Department of the Interior, total	55,863	10,988	0	403	44,472	0	0	0	0
Geological Survey ⁷	55,460	10,988	0	0	44,472	0	0	0	0
National Park Service ⁸	403	0	0	403	0	0	0	0	0
Department of Justice, total	8,300	1,000	1,000	0	0	0	0	5,500	800
Office of Justice Programs	8,300	1,000	1,000	0	0	0	0	5,500	800
Department of Labor, total	11,500	0	0	0	0	0	0	11,500	0
Bureau of Labor Statistics	11,500	0	0	0	0	0	0	11,500	0
Department of State	3,750	0	0	0	0	0	0	3,750	0

See explanatory information, if any, and SOURCE at end of table.

Table C-32. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1996

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	45,721	144	50	0	1,037	16,994	21,674	1,589	4,233
Federal Highway Administration	45,721	144	50	0	1,037	16,994	21,674	1,589	4,233
Department of the Treasury, total	53	0	0	53	0	0	0	0	0
Bureau of Engraving & Printing	53	0	0	53	0	0	0	0	0
Department of Veterans Affairs	14,372	13,751	621	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	65,914	18,233	0	0	28,199	0	19,482	0	0
International Development Cooperation Agency, total	2,444	2,227	0	0	0	0	0	140	77
Agency for Internat'l Dvlpmnt	2,444	2,227	0	0	0	0	0	140	77
Library of Congress	442	0	0	0	0	0	0	0	442
Nat'l Aeronautics & Space Admin ⁹	2,009,237	78,721	3,650	895,819	643,805	23,570	341,330	370	21,972
National Science Foundation	1,967,676	323,380	12,218	471,952	425,377	199,902	343,936	68,416	122,495
Smithsonian Institution	125,400	48,915	0	35,426	5,775	0	0	33,679	1,605
Tennessee Valley Authority	11,790	11,200	0	590	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,732,254	7,043,376	294,389	3,185,627	1,496,014	604,331	1,453,230	226,743	428,544
Departments:									
Department of Agriculture, total	607,823	523,946	42	42,609	4,023	3,265	13,537	20,173	228
Agricultural Research Service ¹	376,173	337,925	0	30,936	2,450	1,461	3,401	0	0
Cooperative State Research, Education, & Extension Service ²	193,227	163,662	0	9,639	913	0	5,671	13,342	0
Economic Research Service	5,495	0	0	0	0	0	0	5,495	0
Foreign Agricultural Service ³	1,067	1,067	0	0	0	0	0	0	0
Forest Service	30,564	21,292	42	2,034	660	507	4,465	1,336	228
Nat'l Agricultural Statistics Svc	1,297	0	0	0	0	1,297	0	0	0
Department of Commerce, total	38,774	272	58	31,449	299	1,336	5,360	0	0
Bureau of the Census	307	0	58	0	0	249	0	0	0
National Inst of Standards & Tech	38,467	272	0	31,449	299	1,087	5,360	0	0
Department of Defense, total	1,145,751	106,069	27,742	194,326	138,151	190,562	474,311	784	13,806
Department of the Army	204,793	32,724	5,568	34,090	14,654	41,391	75,582	784	0
Department of the Navy	386,754	30,697	16,296	75,227	94,975	42,054	114,840	0	12,665
Department of the Air Force	233,999	25,621	785	52,888	12,023	27,420	114,121	0	1,141
Defense Agencies, total	320,205	17,027	5,093	32,121	16,499	79,697	169,768	0	0
Ballistic Missile Defense Organization	9,316	0	0	4,977	0	0	4,339	0	0
Defense Advanced Research Projects Agency ⁴	73,948	0	0	1,178	0	23,733	49,037	0	0
Washington Headquarters Svcs ⁵	236,941	17,027	5,093	25,966	16,499	55,964	116,392	0	0
Department of Education	2,937	0	0	0	0	0	0	2,937	0
Department of Energy	2,034,582	181,207	0	1,408,973	202,212	118,287	123,236	0	667
Dept of Health & Human Svcs, total	6,558,265	5,710,385	248,528	129,182	13,115	33,443	99,673	66,885	257,054
Health Resources & Services Admin	800	800	0	0	0	0	0	0	0
National Institutes of Health ⁶	6,557,465	5,709,585	248,528	129,182	13,115	33,443	99,673	66,885	257,054
Department of the Interior, total	56,891	12,000	0	550	44,341	0	0	0	0
Geological Survey ⁷	56,341	12,000	0	0	44,341	0	0	0	0
National Park Service ⁸	550	0	0	550	0	0	0	0	0
Department of Justice, total	12,400	1,000	1,000	0	0	0	0	10,100	300
Office of Justice Programs	12,400	1,000	1,000	0	0	0	0	10,100	300
Department of Labor, total	11,300	0	0	0	0	0	0	11,300	0
Bureau of Labor Statistics	11,300	0	0	0	0	0	0	11,300	0
Department of State	3,750	0	0	0	0	0	0	3,750	0

See explanatory information, if any, and SOURCE at end of table.

Table C-33. Preliminary Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1997

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Transportation, total	54,313	166	34	0	1,142	23,011	23,682	1,462	4,816
Federal Highway Administration	54,313	166	34	0	1,142	23,011	23,682	1,462	4,816
Department of the Treasury, total	29	0	0	29	0	0	0	0	0
Bureau of Engraving & Printing	29	0	0	29	0	0	0	0	0
Department of Veterans Affairs	13,654	13,054	600	0	0	0	0	0	0
Other agencies:									
Environmental Protection Agency	75,085	20,770	0	0	32,123	0	22,192	0	0
International Development Cooperation Agency, total	4,870	4,790	0	0	0	0	0	0	80
Agency for Internat'l Dvlpmnt	4,870	4,790	0	0	0	0	0	0	80
Library of Congress	458	0	0	0	0	0	0	0	458
Nat'l Aeronautics & Space Admin ⁹	1,884,953	73,851	3,424	840,406	603,983	22,112	320,217	347	20,613
National Science Foundation	2,089,619	342,545	12,961	499,650	450,218	212,315	371,022	72,146	128,762
Smithsonian Institution	136,800	53,321	0	38,453	6,407	0	0	36,859	1,760

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁵ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁶ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁹ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-34. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Biological	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	275,539	28,925	22,230	224,384	6,645,283	3,198,638	289,807	367,401	2,640,553	148,884
Departments:										
Department of Agriculture, total	45	0	45	0	510,029	76,034	60,318	358,282	15,389	6
Agricultural Research Service ¹	0	0	0	0	333,415	22,279	22,593	279,797	8,740	6
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	153,354	47,445	23,326	77,661	4,922	0
Foreign Agricultural Service ³	0	0	0	0	343	0	0	343	0	0
Forest Service	45	0	45	0	22,917	6,310	14,399	481	1,727	0
Department of Commerce, total	59	0	59	0	313	313	0	0	0	0
Bureau of the Census	59	0	59	0	0	0	0	0	0	0
National Inst of Standards & Tech	0	0	0	0	313	313	0	0	0	0
Department of Defense, total	27,853	10,525	9,579	7,749	176,632	42,149	44,915	0	85,843	3,725
Department of the Army	5,256	0	2,870	2,386	59,376	5,106	890	0	49,808	3,572
Department of the Navy	18,028	8,998	6,456	2,574	38,685	18,254	12,175	0	8,256	0
Department of the Air Force	871	281	253	337	18,450	12,073	6,377	0	0	0
Defense Agencies, total	3,698	1,246	0	2,452	60,121	6,716	25,473	0	27,779	153
Washington Headquarters Svcs ⁴	3,698	1,246	0	2,452	60,121	6,716	25,473	0	27,779	153
Department of Education	0	0	0	0	1,439	0	0	0	0	1,439
Department of Energy	0	0	0	0	175,609	170,645	332	0	0	4,632
Dept of Health & Human Svcs, total	229,670	14,594	4,888	210,188	5,277,303	2,585,299	48,146	0	2,521,452	122,406
Health Resources & Services Admin	0	0	0	0	1,010	0	0	0	1,010	0
National Institutes of Health ⁵	229,670	14,594	4,888	210,188	5,276,293	2,585,299	48,146	0	2,520,442	122,406
Department of the Interior, total	0	0	0	0	13,000	6,890	6,110	0	0	0
National Biological Service ^{6 7}	0	0	0	0	13,000	6,890	6,110	0	0	0
Department of Justice, total	1,027	542	250	235	750	400	0	0	0	350
Office of Justice Programs	1,027	542	250	235	750	400	0	0	0	350
Department of Transportation, total	844	0	111	733	54	0	11	43	0	0
Federal Highway Administration	844	0	111	733	54	0	11	43	0	0
Department of Veterans Affairs	600	600	0	0	11,790	4,877	0	0	6,913	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	19,434	0	15,748	0	3,686	0
International Development Cooperation Agency, total	0	0	0	0	2,297	0	1,975	0	0	322
Agency for Internat'l Dvlpmnt	0	0	0	0	2,297	0	1,975	0	0	322
Nat'l Aeronautics & Space Admin ⁸	3,594	68	421	3,105	77,504	57,289	4,046	571	7,270	8,328
National Science Foundation	11,847	2,596	6,877	2,374	323,987	234,838	81,473	0	0	7,676
Smithsonian Institution	0	0	0	0	46,637	19,904	26,733	0	0	0
Tennessee Valley Authority	0	0	0	0	8,505	0	0	8,505	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ The Office of International Cooperation & Development became part of the Foreign Agricultural Service (FAS) in June 1994. Data reported for FAS include funds appropriated to International Cooperation & Development programs within FAS as of fiscal year 1994.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁷ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-35. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

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Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chem- istry	Physics	Physical sciences, n.e.c.	Total	Atmos- pheric	Geo- logical	Ocean- ography	Environ- mental sciences, n.e.c.
Total, all agencies	2,863,026	732,010	557,111	1,507,490	66,415	1,473,207	694,057	453,709	185,887	139,554
Departments:										
Department of Agriculture, total	40,782	0	39,369	1,413	0	4,128	3,918	205	0	5
Agricultural Research Service ¹	28,592	0	27,530	1,062	0	2,257	2,152	100	0	5
Cooperative State Research, Education, & Extension Service ²	10,001	0	10,001	0	0	1,160	1,160	0	0	0
Forest Service	2,189	0	1,838	351	0	711	606	105	0	0
Department of Commerce, total	28,275	860	11,616	15,799	0	275	0	275	0	0
National Inst of Standards & Tech	28,275	860	11,616	15,799	0	275	0	275	0	0
Department of Defense, total	204,130	8,228	87,838	101,166	6,898	164,849	44,935	43,303	66,872	9,739
Department of the Army	38,983	0	12,953	21,818	4,212	21,623	8,512	3,056	566	9,489
Department of the Navy	77,039	4,500	30,490	42,049	0	100,157	17,702	25,863	56,592	0
Department of the Air Force	51,633	3,275	28,992	18,793	573	22,925	11,593	11,332	0	0
Defense Agencies, total	36,475	453	15,403	18,506	2,113	20,144	7,128	3,052	9,714	250
Ballistic Missile Defense Organization	2,218	0	860	1,358	0	0	0	0	0	0
Defense Advanced Research Projects Agency ³	2,444	0	2,444	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁴	31,813	453	12,099	17,148	2,113	20,144	7,128	3,052	9,714	250
Department of Energy	1,080,936	0	129,766	951,082	88	148,234	88,684	51,600	6,748	1,202
Dept of Health & Human Svcs, total	119,539	0	106,105	13,434	0	12,307	0	0	0	12,307
National Institutes of Health ⁵	119,539	0	106,105	13,434	0	12,307	0	0	0	12,307
Department of the Interior, total	530	0	530	0	0	41,649	0	41,649	0	0
Geological Survey ⁶	0	0	0	0	0	41,649	0	41,649	0	0
National Park Service ⁷	530	0	530	0	0	0	0	0	0	0
Department of Transportation, total	0	0	0	0	0	1,018	593	23	0	402
Federal Highway Administration	0	0	0	0	0	1,018	593	23	0	402
Department of the Treasury, total	41	0	10	31	0	0	0	0	0	0
Bureau of Engraving & Printing	41	0	10	31	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	0	30,083	14,029	1,958	0	14,096
Nat'l Aeronautics & Space Admin ⁸	881,977	560,217	41,006	255,484	25,270	633,858	392,639	163,461	34,222	43,536
National Science Foundation	467,914	126,196	139,774	167,785	34,159	431,320	149,182	146,187	77,684	58,267
Smithsonian Institution	38,417	36,509	612	1,296	0	5,486	77	5,048	361	0
Tennessee Valley Authority	485	0	485	0	0	0	0	0	0	0

¹ The Human Nutrition Information Service merged with the Agricultural Research Service on Feb. 20, 1994.

² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ As of fiscal year 1996, data for the National Biological Service (NBS) are included with the Geological Survey's submission, since NBS's funding comes from the Geological Survey's congressional appropriation.

⁷ The National Biological Service's (NBS) name changed from the National Biological Survey on Jan. 5, 1995. As of fiscal year 1994, NBS performs all biological research activities formerly funded by the United States Fish & Wildlife Service and the National Park Service.

⁸ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

NOTE: Data for only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

**Table C-36. Federal obligations for basic research in engineering, by agency
and detailed field of engineering: fiscal year 1995**

[Dollars in thousands]

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Agency and subdivision	Total	Aero- nautical	Astro- nautical	Chemical	Civil	Elec- trical	Mechan- ical	Metal- lurgy and materials	Engi- neering, n.e.c.
Total, all agencies	1,468,073	270,945	64,711	65,511	71,144	213,562	169,880	346,080	266,240
Departments:									
Department of Agriculture, total	14,775	0	0	2,358	871	223	489	0	10,834
Agricultural Research Service ¹	3,065	0	0	1,682	549	216	238	0	380
Cooperative State Research, Education, & Extension Service ²	6,903	0	0	0	0	0	0	0	6,903
Forest Service	4,807	0	0	676	322	7	251	0	3,551
Department of Commerce, total	9,640	0	0	644	1,548	549	1,090	1,260	4,549
National Inst of Standards & Tech	9,640	0	0	644	1,548	549	1,090	1,260	4,549
Department of Defense, total	512,033	34,107	2,703	5,753	11,485	160,454	98,643	136,547	62,341
Department of the Army	72,542	8,823	0	2,108	9,237	26,284	9,776	15,087	1,227
Department of the Navy	121,043	0	0	0	0	40,667	42,253	38,123	0
Department of the Air Force	82,185	11,746	2,703	0	0	21,024	12,108	14,525	20,079
Defense Agencies, total	236,263	13,538	0	3,645	2,248	72,479	34,506	68,812	41,035
Ballistic Missile Defense Organization	8,524	7,016	0	0	0	1,508	0	0	0
Defense Advanced Research Projects Agency ³	60,494	0	0	223	740	11,342	0	36,503	11,686
Washington Headquarters Svcs ⁴	167,245	6,522	0	3,422	1,508	59,629	34,506	32,309	29,349
Department of Energy	114,843	0	5,860	22,506	262	648	15,713	59,543	10,311
Dept of Health & Human Svcs, total	92,277	0	0	0	0	0	0	0	92,277
National Institutes of Health ⁵	92,277	0	0	0	0	0	0	0	92,277
Department of Transportation, total	21,579	0	0	16	20,460	23	368	318	394
Federal Highway Administration	21,579	0	0	16	20,460	23	368	318	394
Other agencies:									
Environmental Protection Agency	20,780	0	0	458	0	0	0	0	20,322
Nat'l Aeronautics & Space Admin ⁶	336,056	236,838	56,148	2,409	198	6,089	9,886	14,865	9,623
National Science Foundation	346,090	0	0	31,367	36,320	45,576	43,691	133,547	55,589

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² The Cooperative State Research Service merged with the Extension Service on Oct. 19, 1994, to become the Cooperative State Research, Education, and Extension Service, due to a reorganization within the Department of Agriculture.

³ This agency's name changed to the Advanced Research Projects Agency on July 13, 1993, and it was changed back to Defense Advanced Research Projects Agency in February 1996.

⁴ Data for the Uniformed Services University of the Health Sciences are included with the Washington Headquarters Services' submission as of Vol. 45.

⁵ Due to reorganization within the Department of Health & Human Services, the Alcohol, Drug Abuse, & Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with fiscal year 1992. However, research support for some fields in fiscal year 1992 seems to be underreported. Historical revisions to these data are expected to be reported in future series.

⁶ The National Aeronautics and Space Administration has made a statistical adjustment to the 1994, 1995, 1996, and 1997 field of science and engineering values to diminish a computational error introduced by its software.

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SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1995, 1996, and 1997

Table C-37. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1995

[Dollars in thousands]

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Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	553,962	264,583	264,292	25,087	209,479	15,468	44,134	8,904	14,976	125,997
Departments:										
Department of Agriculture, total	3,504	1,931	1,573	0	21,394	39	18,301	0	3,054	0
Agricultural Research Service ¹	1,637	64	1,573	0	0	0	0	0	0	0
Cooperative State Research, Education, & Extension Service ²	0	0	0	0	14,574	0	11,658	0	2,916	0
Economic Research Service	0	0	0	0	5,383	0	5,383	0	0	0
Forest Service	545	545	0	0	1,437	39	1,260	0	138	0
Nat'l Agricultural Statistics Svc	1,322	1,322	0	0	0	0	0	0	0	0
Department of Commerce, total	696	253	443	0	0	0	0	0	0	0
Bureau of the Census	253	253	0	0	0	0	0	0	0	0
National Inst of Standards & Tech	443	0	443	0	0	0	0	0	0	0
Department of Defense, total	163,879	60,326	100,099	3,454	0	0	0	0	0	0
Department of the Army	19,829	8,599	10,169	1,061	0	0	0	0	0	0
Department of the Navy	44,239	23,370	20,869	0	0	0	0	0	0	0
Department of the Air Force	29,710	20,150	7,167	2,393	0	0	0	0	0	0
Defense Agencies, total	70,101	8,207	61,894	0	0	0	0	0	0	0
Defense Advanced Research Projects Agency ³	29,323	0	29,323	0	0	0	0	0	0	0
Washington Headquarters Svcs ⁴	40,778	8,207	32,571	0	0	0	0	0	0	0
Department of Education	0	0	0	0	4,096	0	0	0	0	4,096
Department of Energy	113,599	96,816	16,783	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	30,982	20,469	10,513	0	61,816	0	0	0	0	61,816
National Institutes of Health ⁵	30,982	20,469	10,513	0	61,816	0	0	0	0	61,816
Department of Justice, total	0	0	0	0	4,769	0	50	150	3,569	1,000
Office of Justice Programs	0	0	0	0	4,769	0	50	150	3,569	1,000
Department of Labor, total	0	0	0	0	11,600	0	11,600	0	0	0
Bureau of Labor Statistics	0	0	0	0	11,600	0	11,600	0	0	0
Department of State	0	0	0	0	4,510	361	1,127	1,804	676	542
Department of Transportation, total	17,846	34	943	16,869	1,429	0	633	234	222	340
Federal Highway Administration	17,846	34	943	16,869	1,429	0	633	234	222	340
Other agencies:										
Nat'l Aeronautics & Space Admin ⁶	23,207	752	18,388	4,067	364	0	0	0	233	131
National Science Foundation	200,249	84,002	115,550	697	67,524	11,715	12,423	6,716	6,754	29,916
Smithsonian Institution	0	0	0	0	31,977	3,353	0	0	468	28,156

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